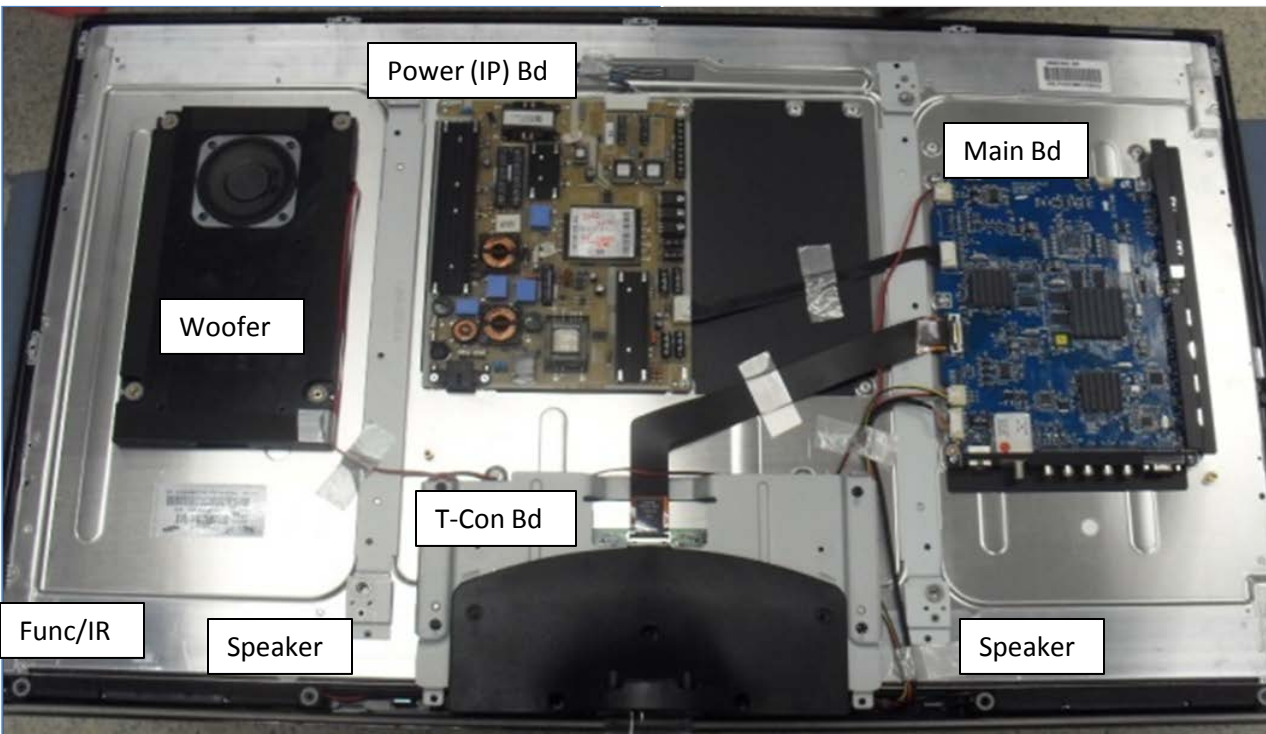




Quick Part List

Please check GSPN for parts update!

Version	Parts No	Short Description
ALL	BN44-00356B	Power PCB
SQ01	BN81-04353A	T-CON PCB
CN02	BN81-04454A	T-CON PCB
CN05	BN81-04454A	T-CON PCB
SS06	BN81-05079A	T-CON PCB
SS03	BN81-05079A	T-CON PCB
H310	BN81-05769A	T-CON PCB
HQ07	BN81-05769A	T-CON PCB
H308	BN81-05769A	T-CON PCB
SQ01	BN94-03366B	Main PCB
CN02	BN94-03366K	Main PCB
SS03	BN94-03366N	Main PCB
CN05	BN94-03366U	Main PCB
SS06	BN94-03366V	Main PCB
H308	BN94-03366Y	Main PCB
HQ07	BN94-03366Y	Main PCB
H310	BN94-04492D	Main PCB
ALL	BN96-13047D	Function & IR PCB
CN02	BN07-00852A	Panel
CN05	BN07-00852A	Panel
SQ01	BN07-00859A	Panel
SS06	BN07-00913A	Panel
SS03	BN07-00913A	Panel
HQ07	BN95-00411A	Panel
H310	BN95-00411B	Panel
H308	BN95-00411B	Panel
ALL	BN96-10689A	Stand Guide Neck
ALL	BN96-12762F	Stand Base
ALL	BN96-12892A	Front Cover
ALL	BN96-12914M	Rear Cover
SQ01	BN96-12931A	Stand Base
ALL	BN96-13131D	Stand Guide
ALL	3903-000527	Power Cord

FIRMWARE

Please check Samsung.com for latest update!

■ Firmware for Valencia 128M and X4 Model-.

Version : 1010.0 (Valencia 128M), 1005.0 (X4)

-Folder Name: T-VAL5AUSC & T-SX6AUSC

-Description: This firmware will prevent below problems:

USB Power Overload' message pops up even USB port is not connected.

HDMI 2 looks activated when HDMI 1 port is connected.

Service Bulletins

- Power Bd schematics available:
(See page 5)

HELP : 1-888-751-4086 (Tech Support)
1-866-894-0637 (FE)

GSPN

<http://gspn3.samsungcsportal.com>

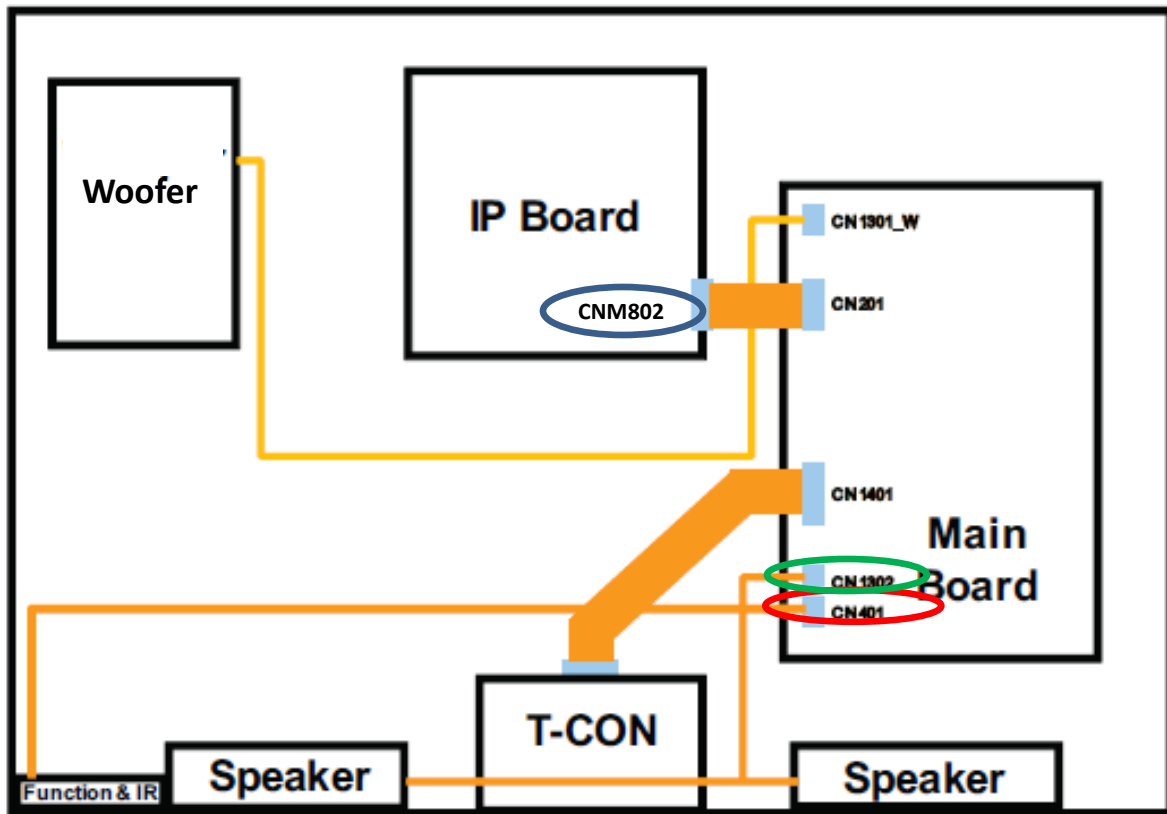
PLUS ONE

<http://my.plus1solutions.net/clientPortals/samsung>

HOT TIPS

Power On Problems: (see page 3)

Video Problems: (see page 4)



Power On Sequence:

1. Standby Voltage, (CNM802, #16, 5v)
2. Power On, (CNM802, #18, 0-1.5v)
3. Low Voltage Supplies On, (D12, D5.3V)
4. High Voltage Supplies On, (CNM802, #4, BLU_ON)
5. Back Light "On" Confirmation

CNM802

1	D12V	2	Vdrv_Det
3	D12V	4	BLU_On/Off
5	D12V	6	PWM_DIM
7	GND	8	H_Sync
9	GND	10	GND
11	D5.3V	12	GND
13	D5.3V	14	D5.3V
15	Vamp	16	STBY
17	Vamp	18	Power On/Off

CN401(to Function/IR)

1	IR	6	KEY_INPUT1
2	GND	7	KEY_INPUT2
3	A3.3V_PW	8	LED_STB
4	MSCL_A5V	9	LED_CNTR
5	MSDA_A5V	10	A3.3V_PW

CN1302(to Speaker)

1	R+	3	L+
2	R-	4	L-
3	PC_SL_IN	7	NC
4	NC		

To Force Backlight On without Main Board :

1. Remove Power Cord
2. (see model specifics)
3. Plug Power Cord In.
4. Backlight should be on immediately.

TROUBLESHOOTING VIDEO PROBLEMS

1. Verify Video Operation

- Customer Picture Test** (models available)
- "Display"** (If display is OK source is suspected)
- Substitute with known good Source
(external DVD or Signal Generator)

2. Using Test Patterns in Service Mode

- **ENTER SERVICE MODE** -

- Select an active source signal. (HDMI preferred)
Test Pattern may rely on signal source to appear.

Customer Remote

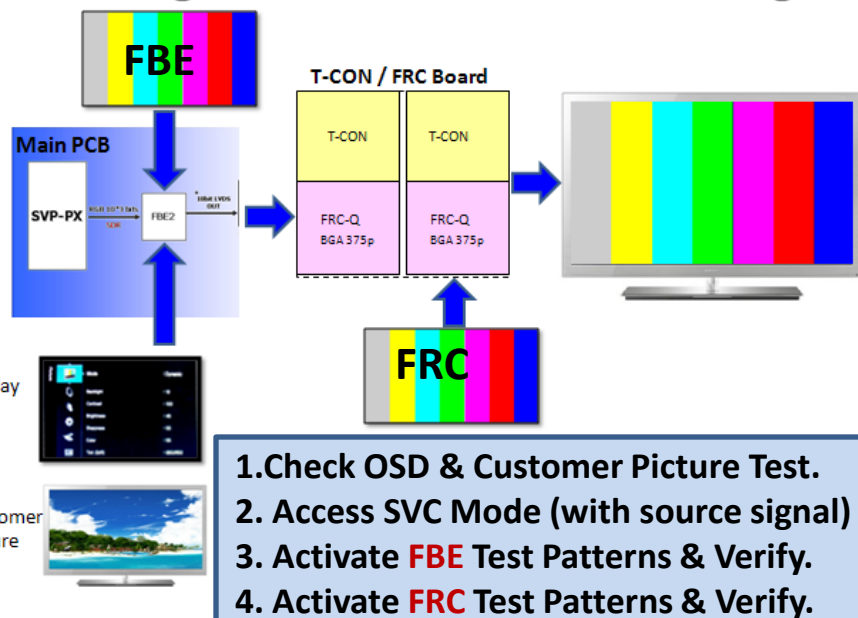
- Power off
- Mute, 182, Power

Service Remote

- Power On
- Info, Factory

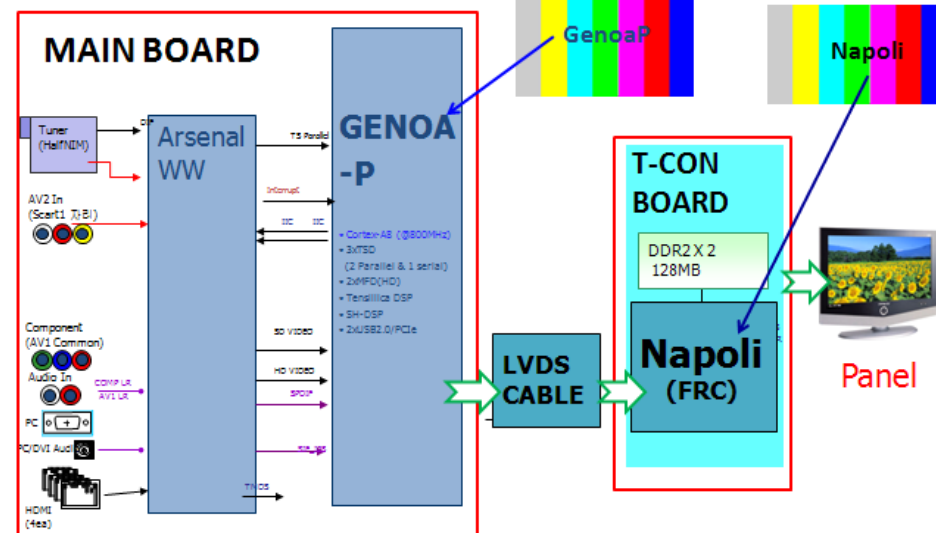
2010 Models

LCD Signal Path for Troubleshooting



2011 LED 8000 Series

Verify Test Mode Signals

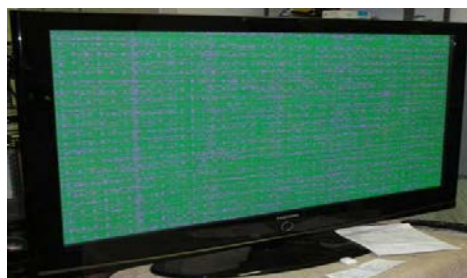


- Select an active source signal. (HDMI preferred)
Test Pattern may rely on signal source to appear.
- Access Service Mode
- Access **SVC**
- Access **Test Patterns**
- Access **Genoa-P**
- Check Test Patterns
- If OK suspect input Source
- Access **Napoli**
- Check Test Patterns
- If OK and Genoa-P was not good
Suspect Main Board or LVDS Cable

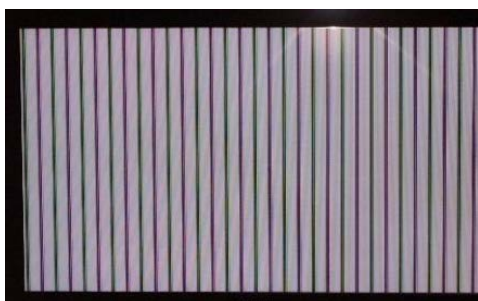
ON SCREEN FAILURE EXAMPLES:



If Picture & Display errors
Defective Main Board, LVDS,
or T-CON

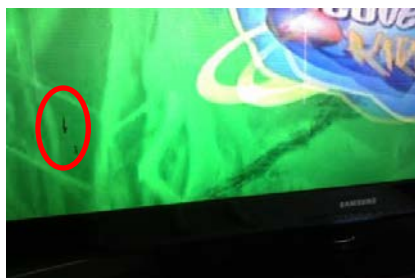


Green lines or a green screen
defective main board , LVDS , or
T-CON.



Vertical or Horizontal Lines :Defective
Panel likely but also T-CON, LVDS, or Main
Board. Use Test Patterns in Factory Service
Mode to determine error)

De-lamination: PANEL
FAILURE



ALIGNMENTS:

1. Check/Set Option Bytes:

Model Code	Side Label	Option					
		Type	Model	Tuner	Light Effect	Country	Front Color
UN40C6300S FXZA	SQ01	40A1UF0E	UC6300	SEMCO	OFF	USA	W-D-Gray
	CN02	40D1UF0E	UC6300	SEMCO	OFF	USA	W-D-Gray
	SS03	40A1UF1E	UC6300	SEMCO	OFF	USA	W-D-Gray
	SQ04	40A1UF0E	UC6300	SN761640	OFF	USA	W-D-Gray
	CN05	40D1UF0E	UC6300	SN761640	OFF	USA	W-D-Gray
	SS06	40A1UF1E	UC6300	SN761640	OFF	USA	W-D-Gray
	HQ07	40A1UF1E	UC6300	SN761640	OFF	USA	W-D-Gray
	H308						
	HQ09	40A1UF1E	UC6300	SN761640	OFF	USA	W-D-Gray
	H310						

2. Check/Perform Firmware Upgrade for all repairs.

3. Perform reset in Service Mode & Plug and Play if Main board is replaced.

SPECIAL NOTES:

Inform customer of reset of all
Settings if Main Board or Panel is replaced.

Important Bulletins:

Service Bulletin

[VD:SB]Power Board_Circuit Diagram_2010TV

Category	TV Video & Audio > TV > LED		
Model Code	UN40C6300SFXZA		
Added by	CMS	Registered date	04.27.2010

Description

Symptom : Power Board_Circuit Diagram_2010TV

Cause : Power Board_Circuit Diagram_2010TV for component repair

Solution : Power Board_Circuit Diagram_2010TV for component repair

Relavent Models : The files of circuit diagram for 2010 TV models.

Attached Files

 [Power_Board_Circuit_Diagram_2010TV.zip\(7.0MB\)](#)

 [service_bulletin.html\(10.5KB\)](#)